

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
-  BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

THE CARTILAGE DEGENERATION PATTERN

THE MOVEMENT PATTERN

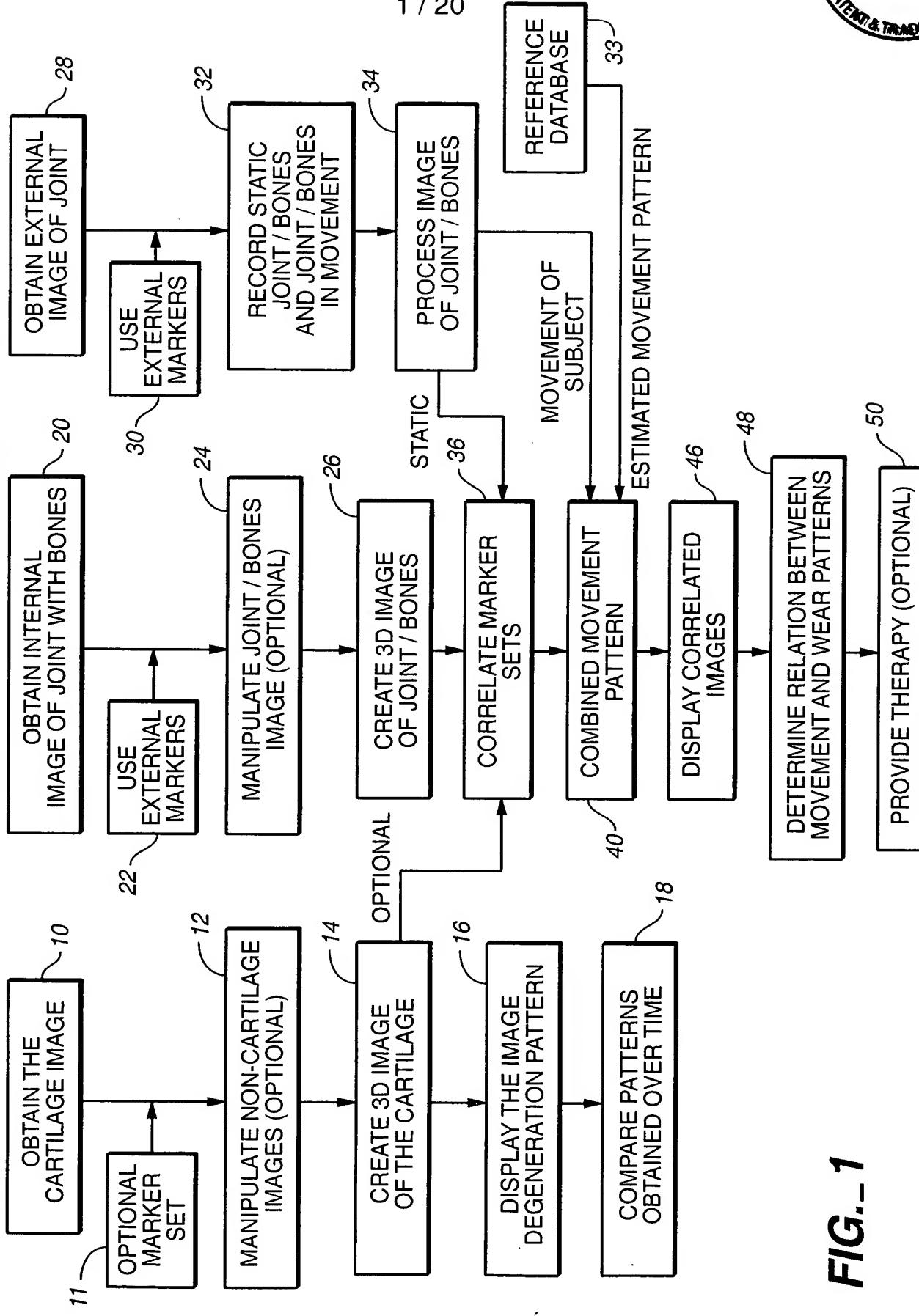
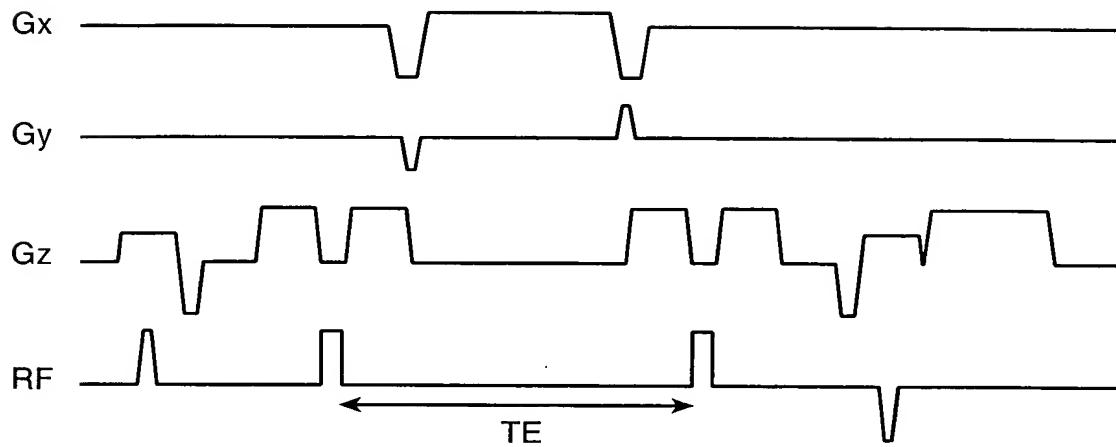
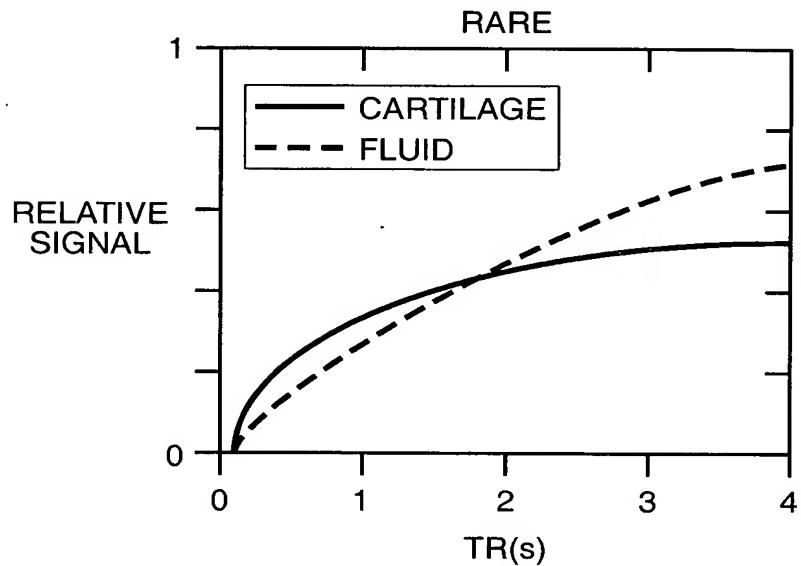
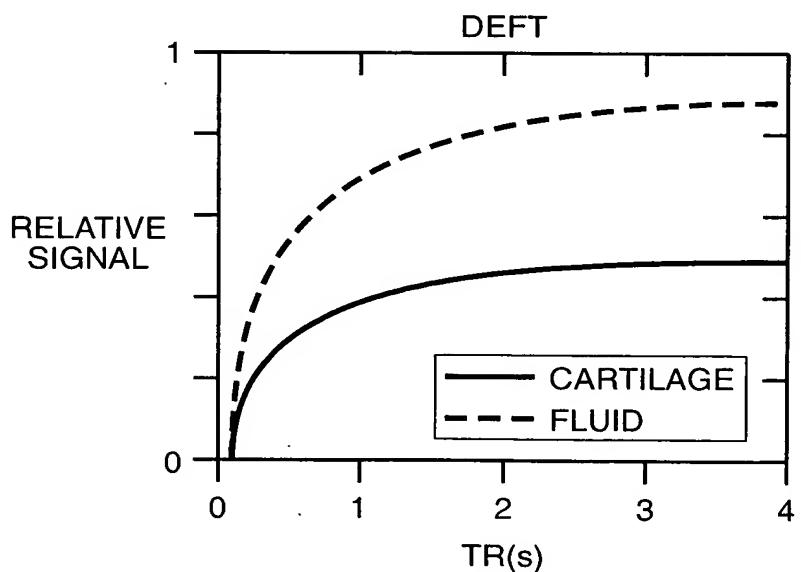


FIG. - 1



**FIG._2****FIG._3A****FIG._3B**

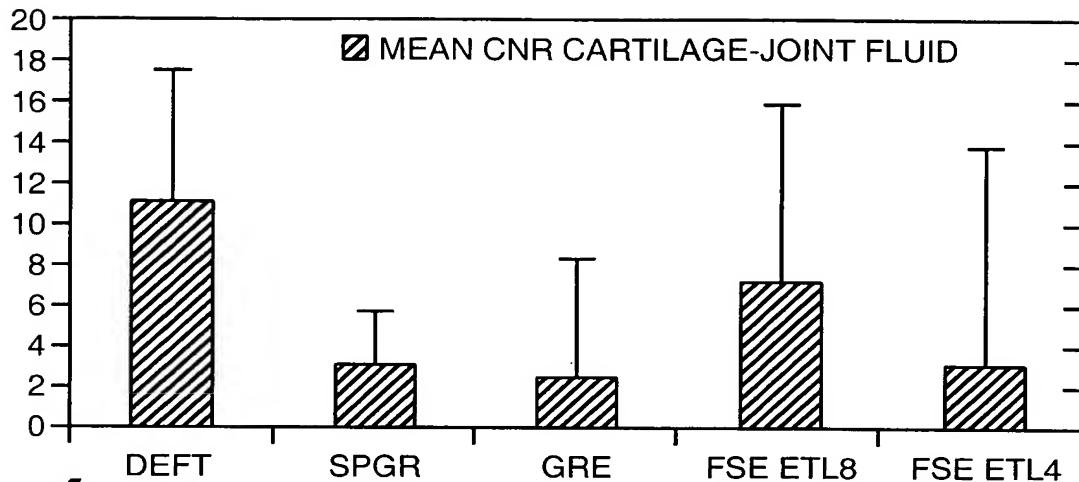
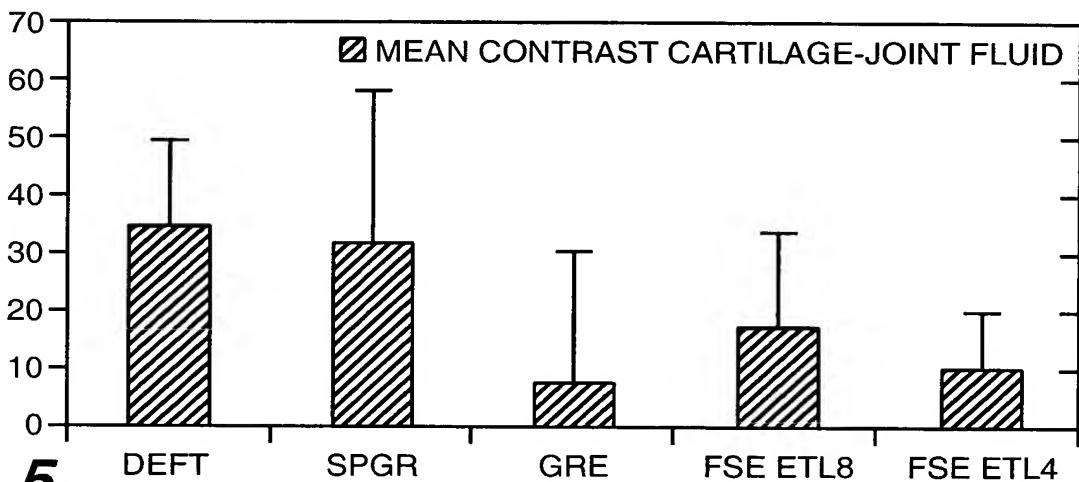
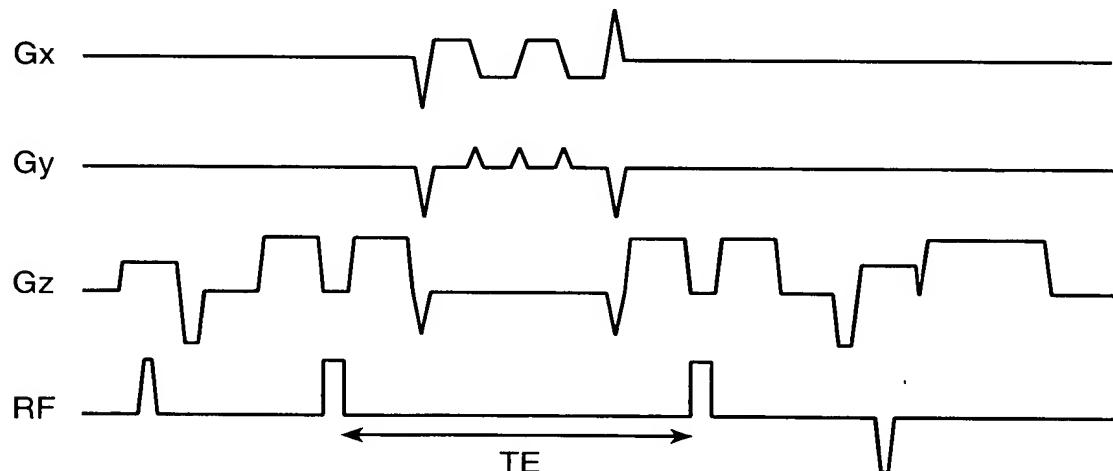
**FIG._4****FIG._5****FIG._6**



FIG._7

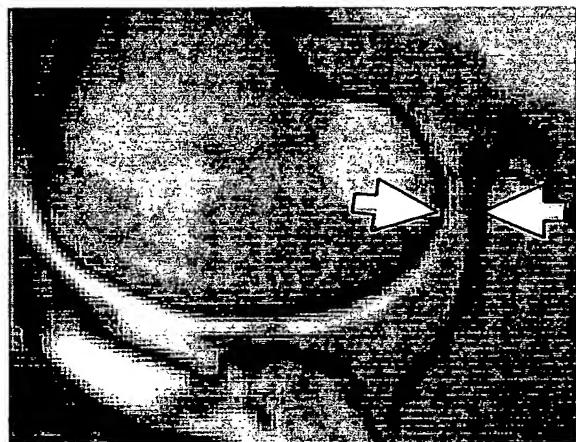


FIG._8B

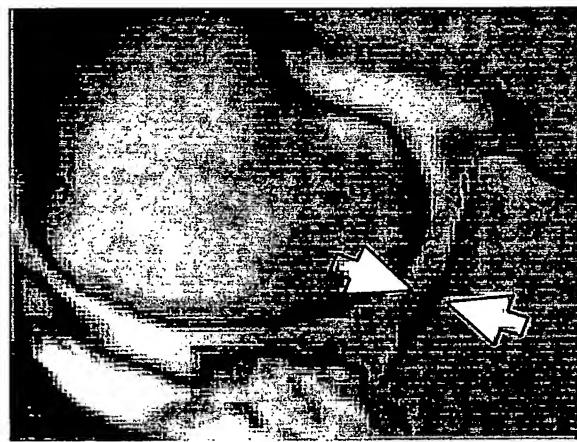


FIG._8A

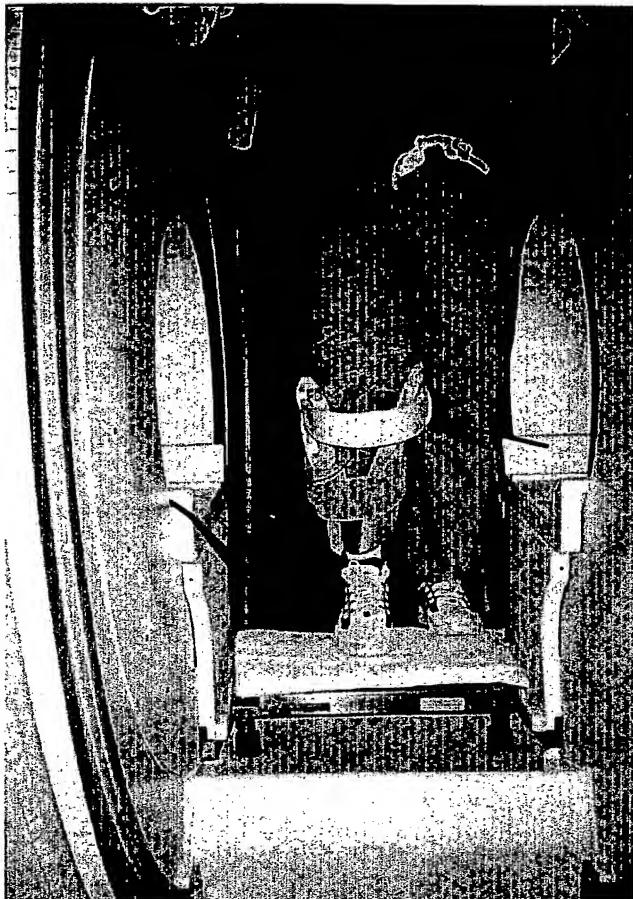


FIG._9A

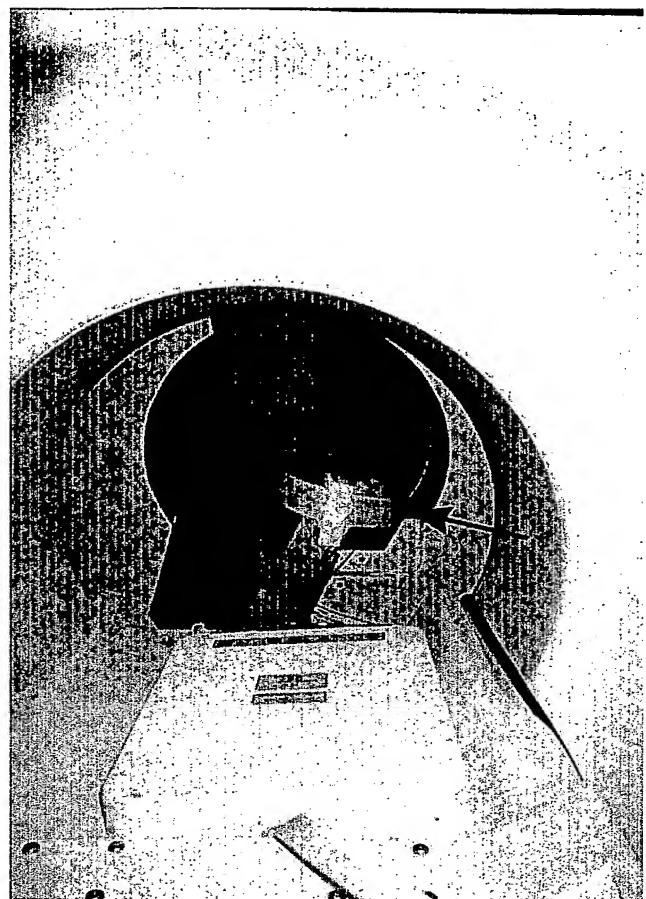


FIG._9B

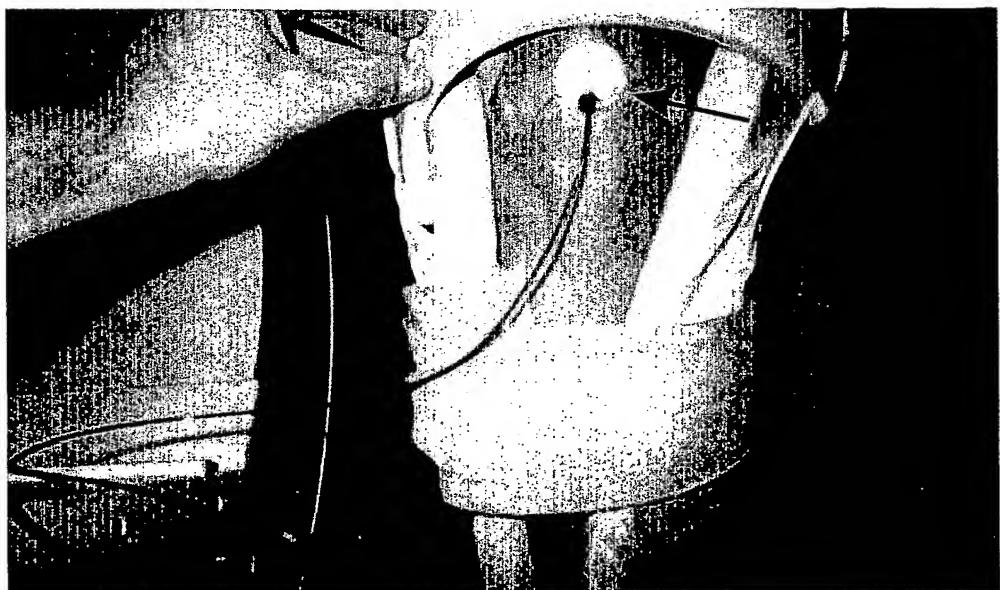


FIG._9C

+

6 / 20

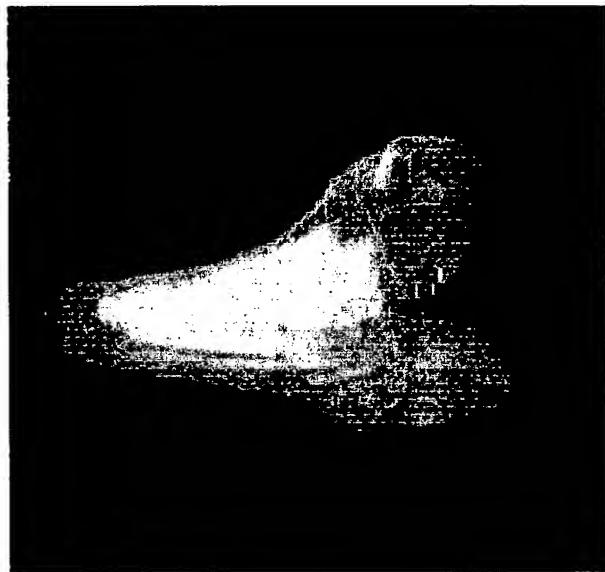


FIG. 10A

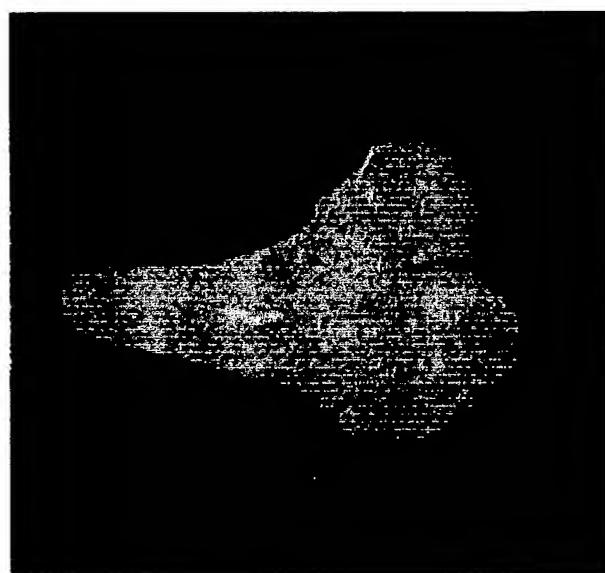


FIG. 10B

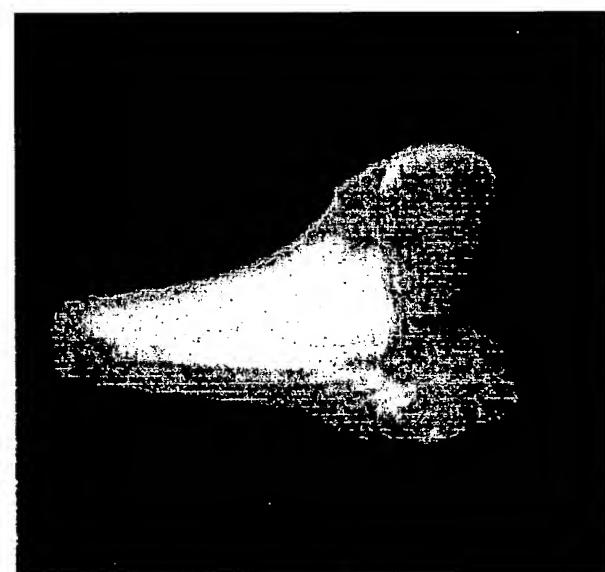


FIG. 10C

+

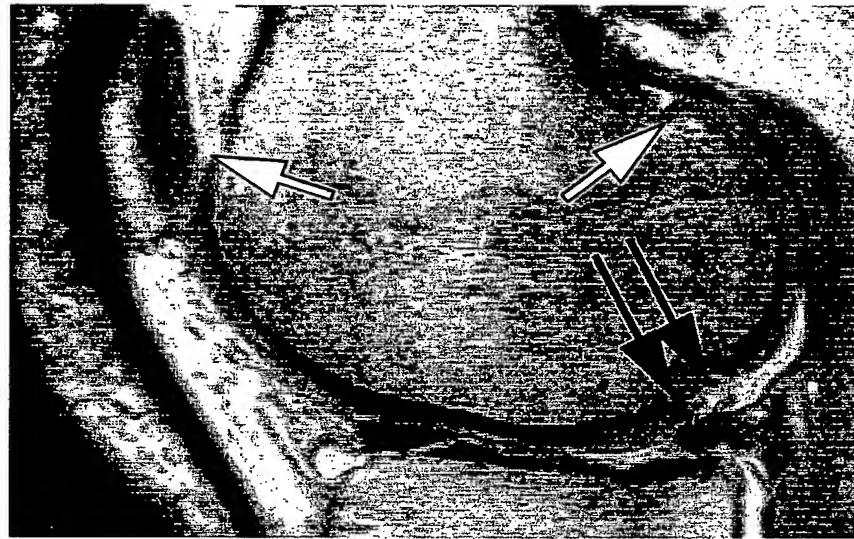


FIG._ 11A

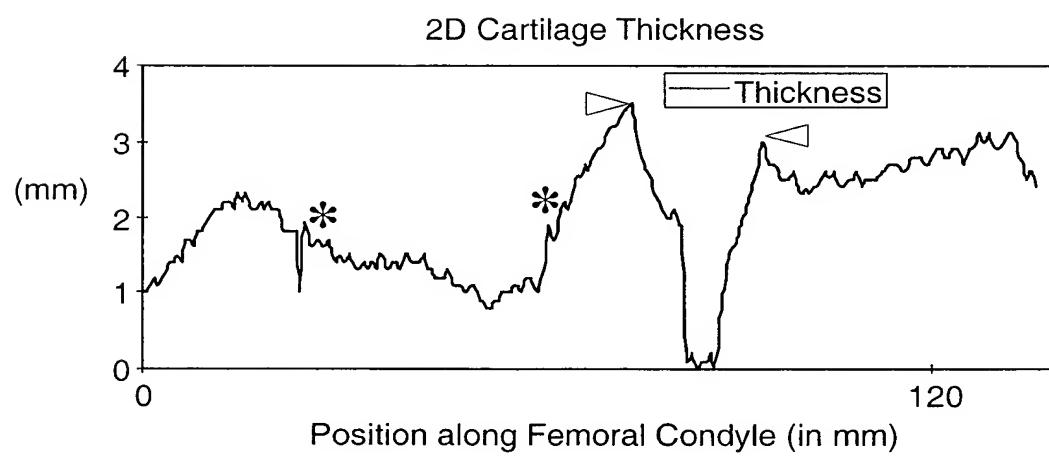


FIG._ 11B

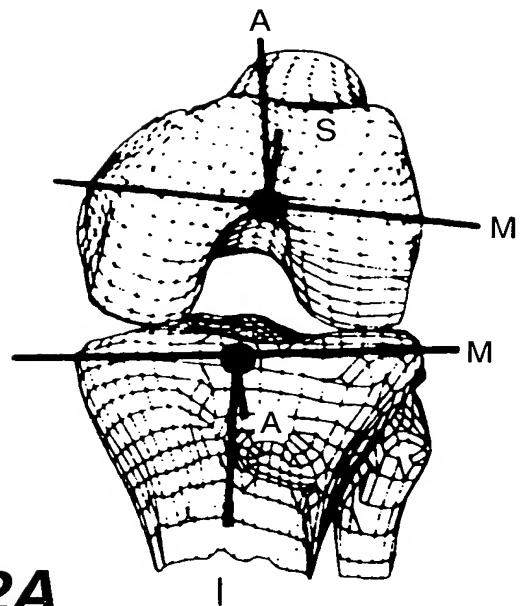


FIG._ 12A

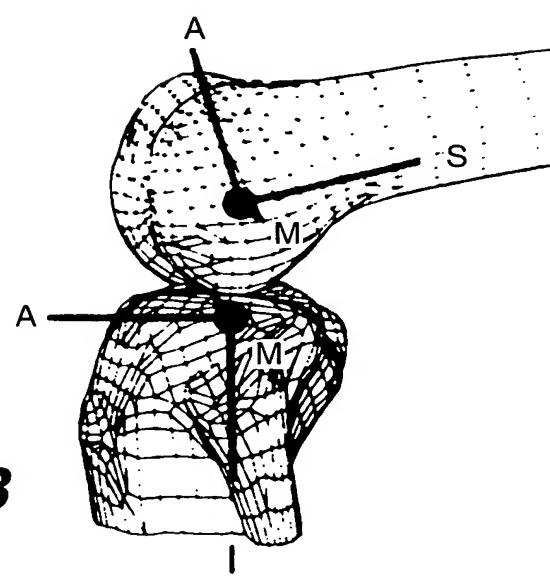


FIG._ 12B

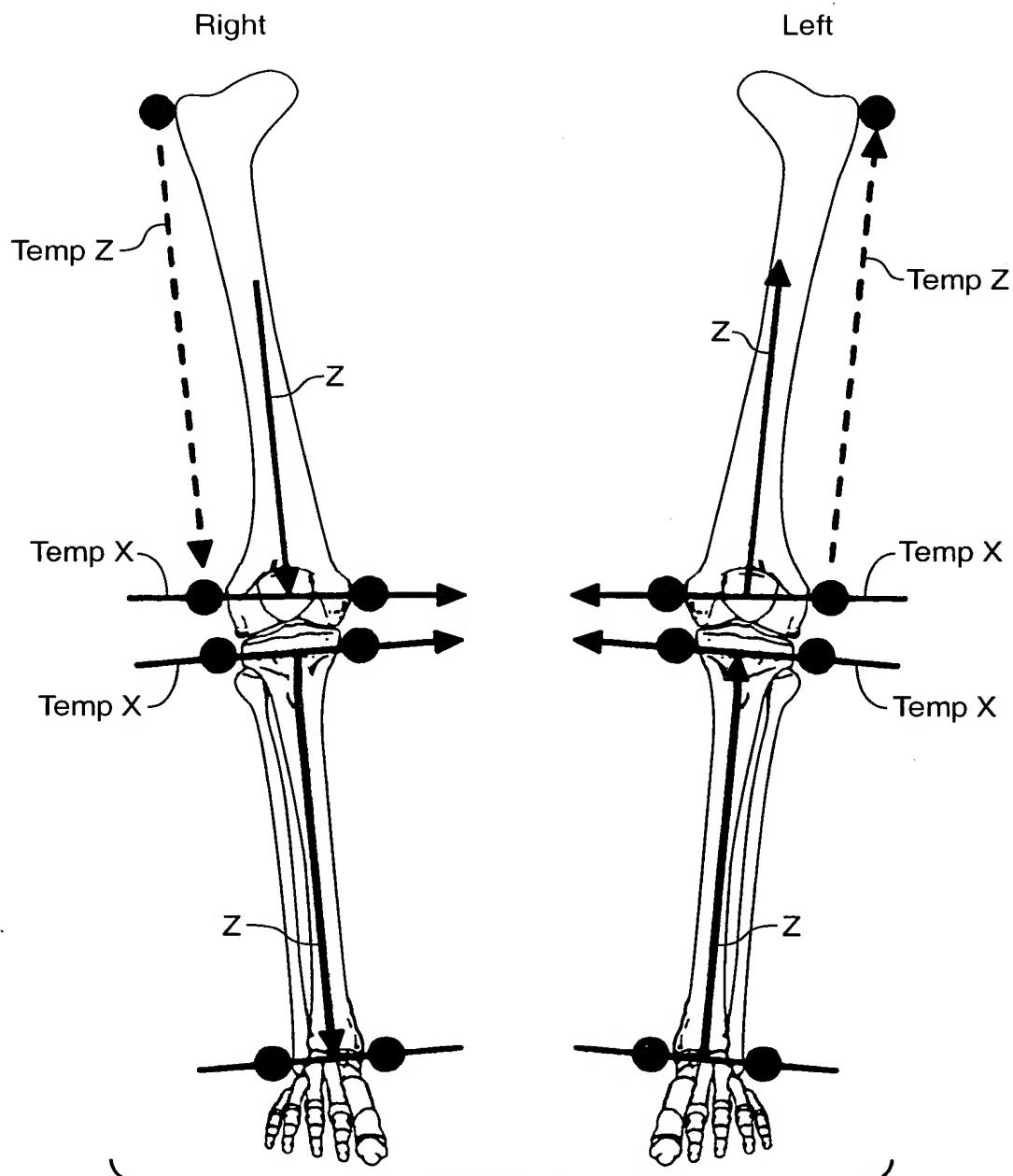
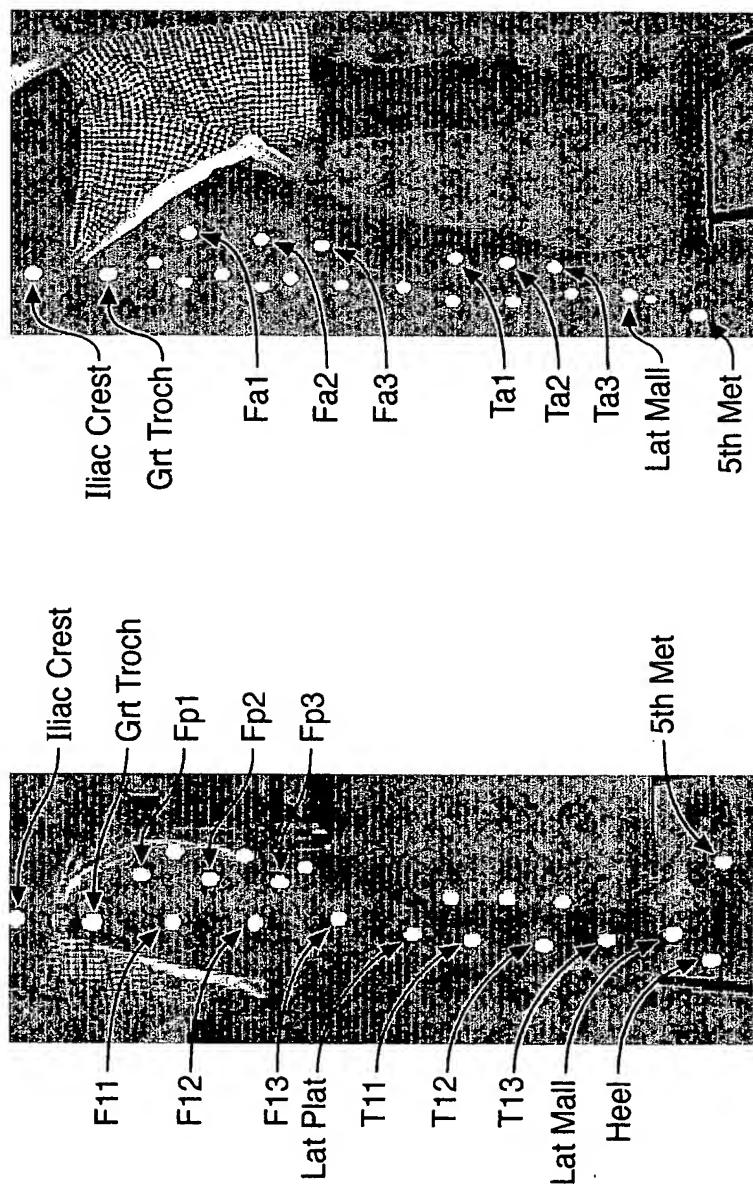


FIG._13



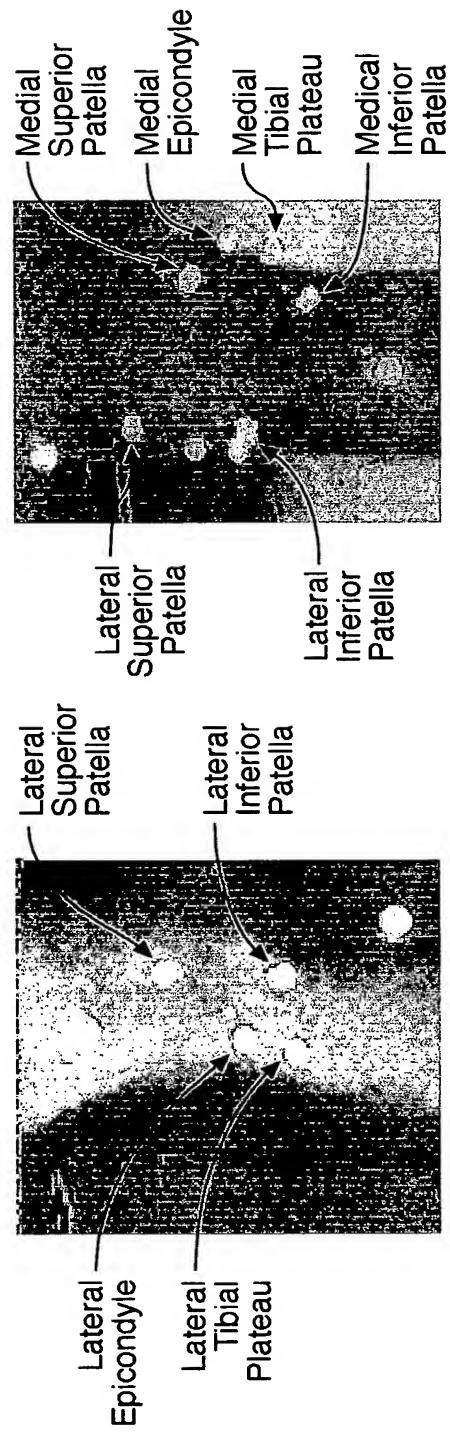
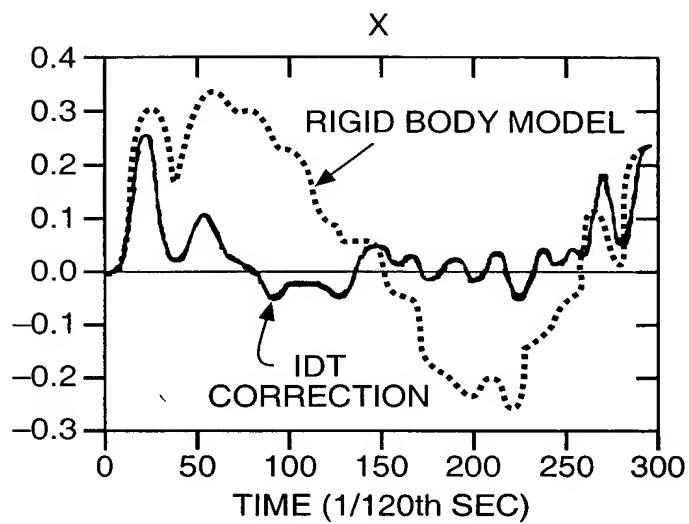


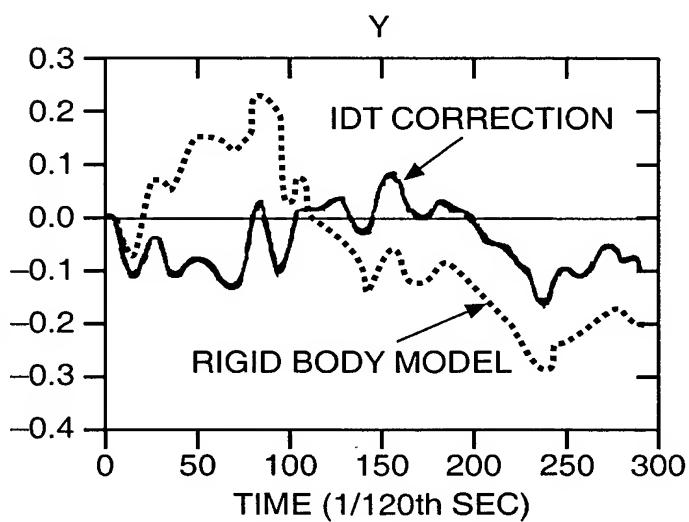
FIG. 15A

FIG. 15B

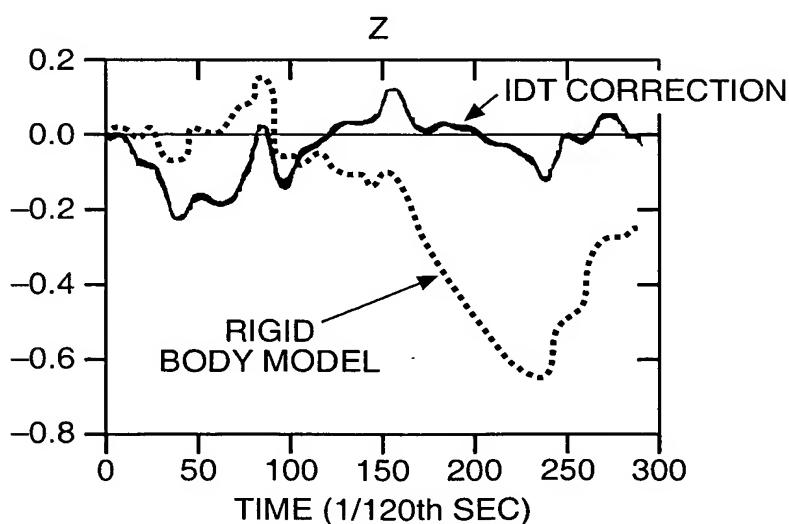
DISPLACEMENT (cm)

FIG._ 16A

DISPLACEMENT (cm)

FIG._ 16B

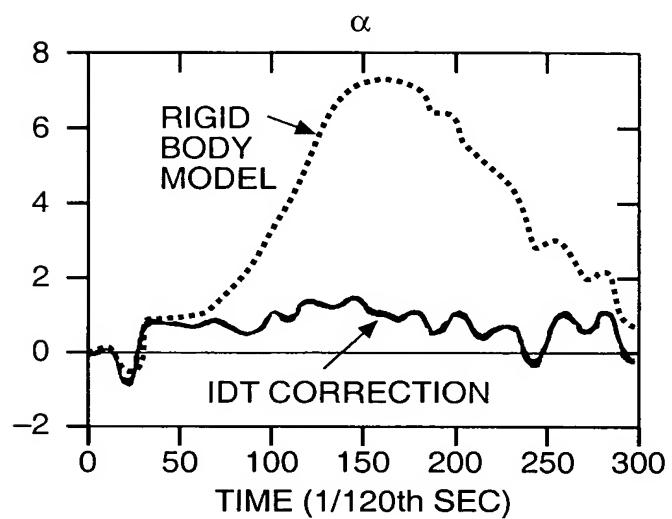
DISPLACEMENT (cm)

FIG._ 16C

+

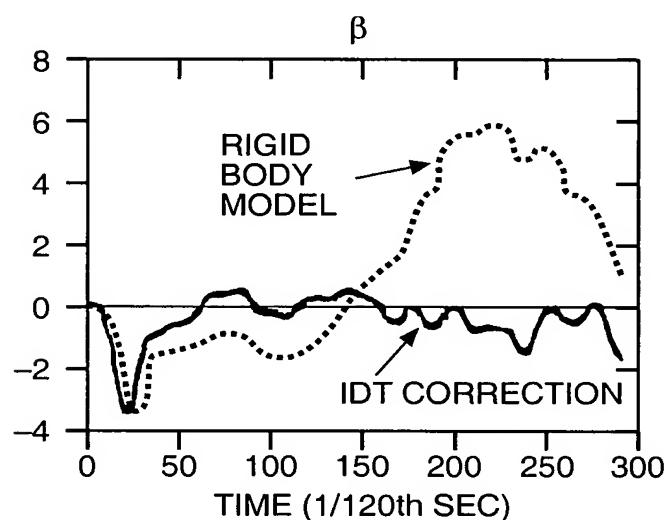
ORIENTATION (deg)

FIG._ 17A



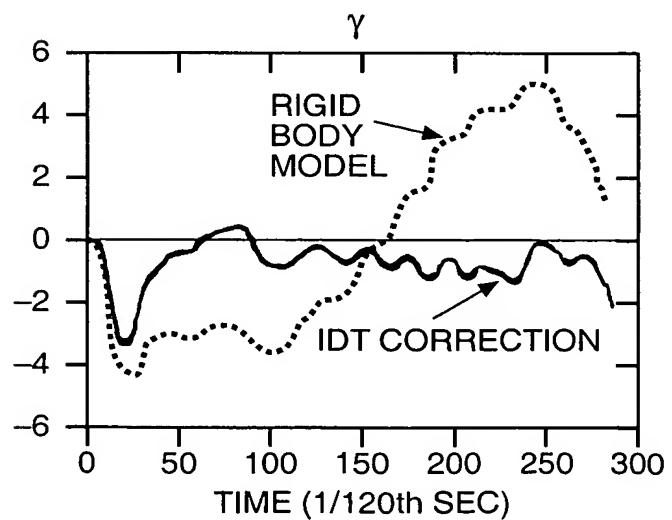
ORIENTATION (deg)

FIG._ 17B



ORIENTATION (deg)

FIG._ 17C



+

+

14 / 20

FIG._18A

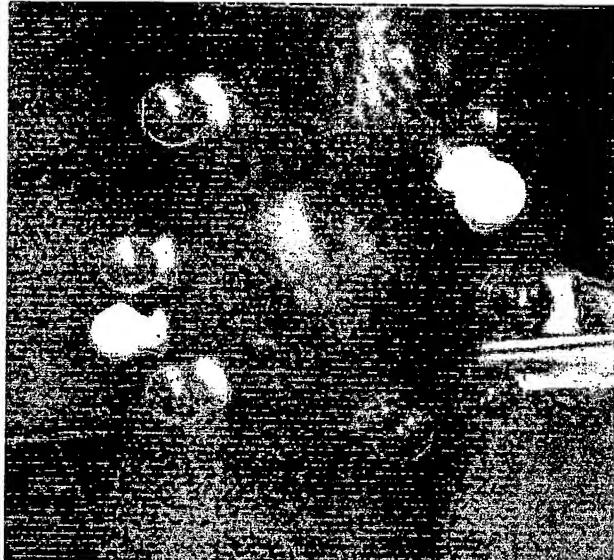


FIG._18B



FIG._18C



+

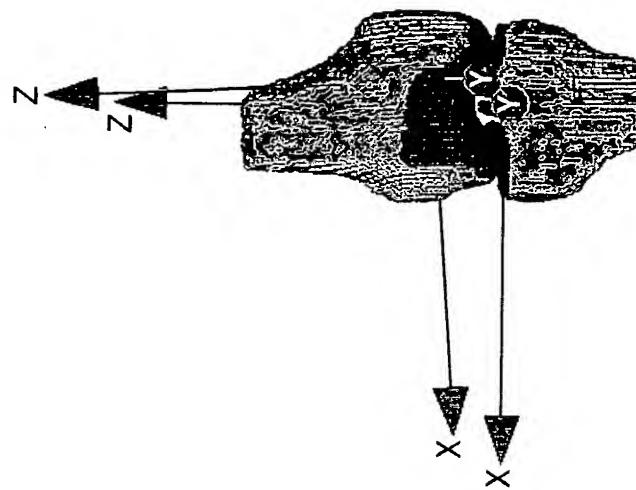


FIG._18F

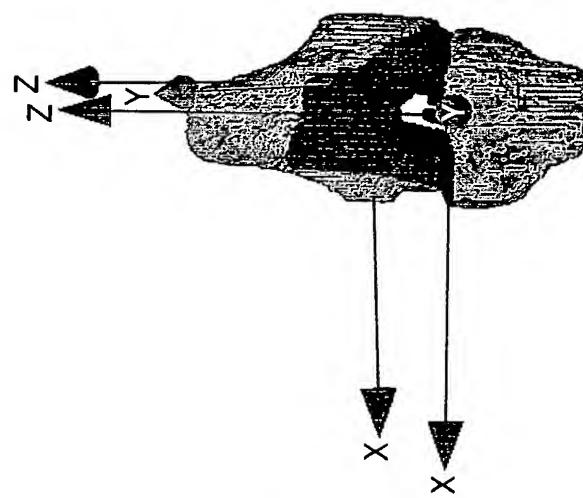


FIG._18E

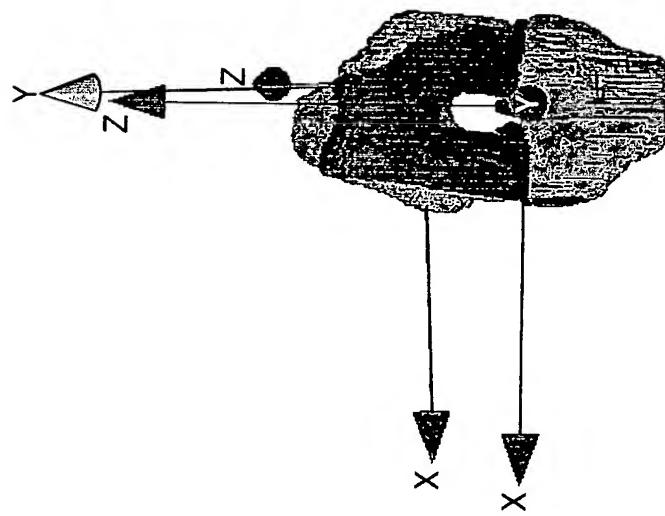


FIG._18D

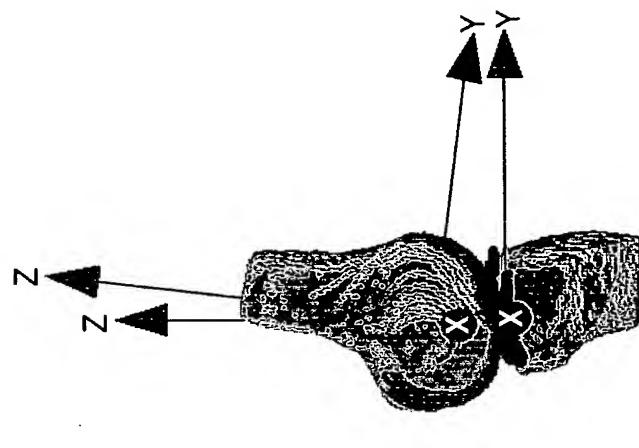


FIG. 18I

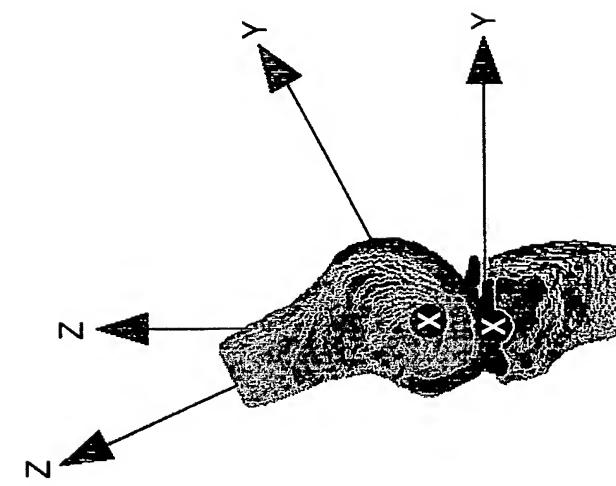


FIG. 18H

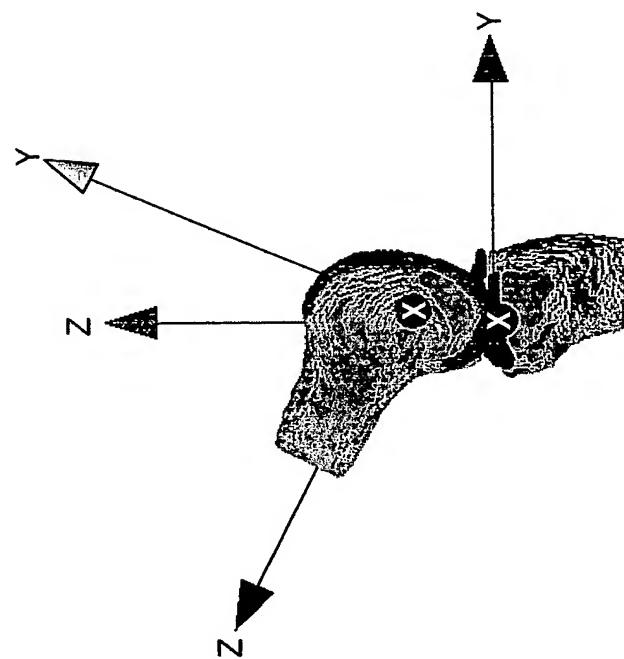


FIG. 18G

+

17 / 20

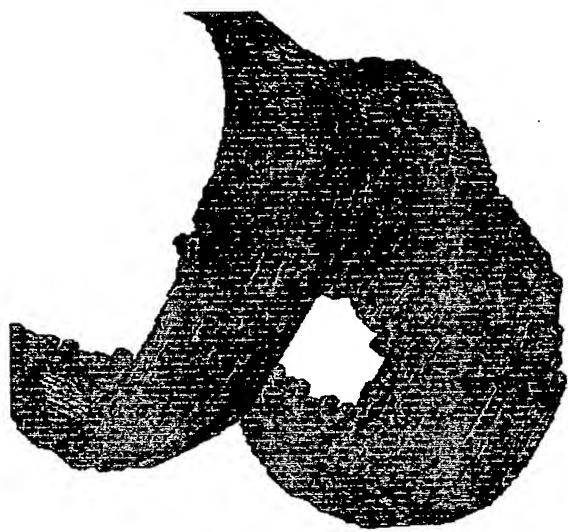
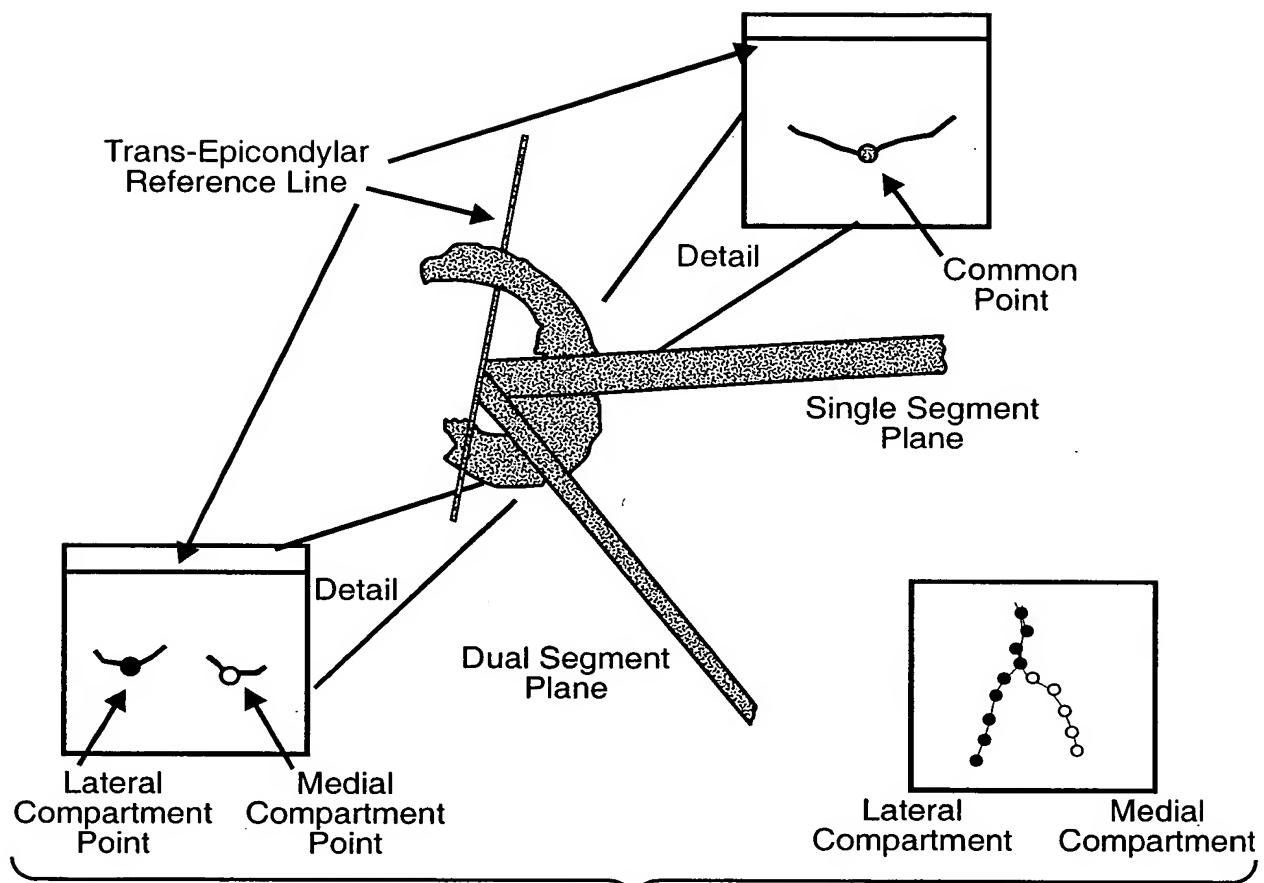
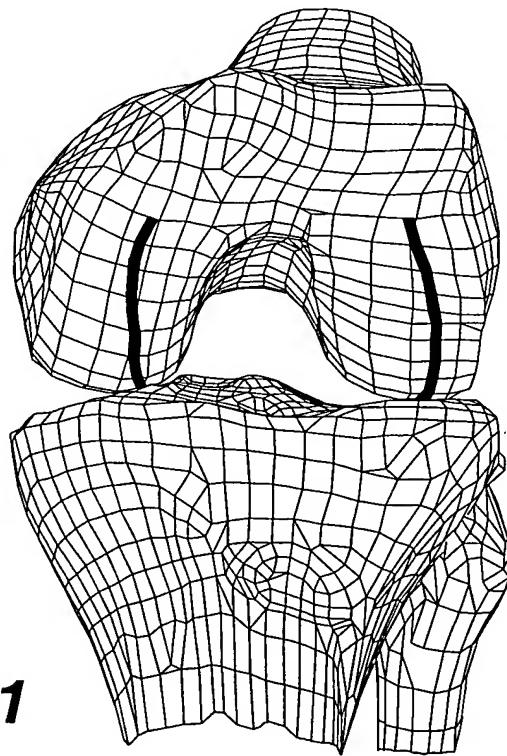


FIG._19

+

**FIG._20****FIG._21**

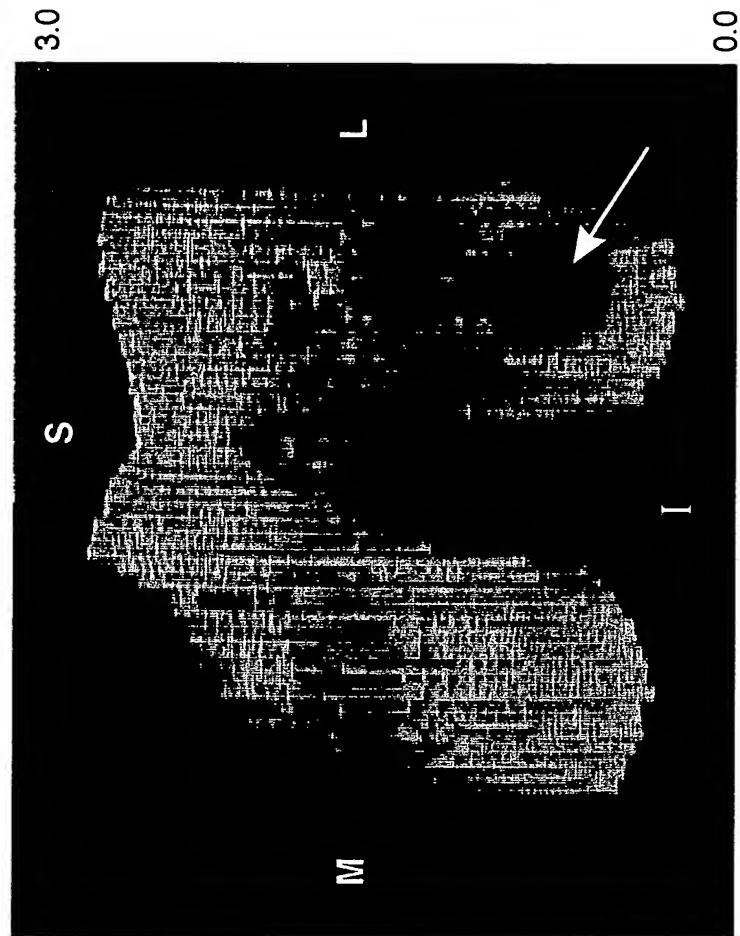


FIG._22B

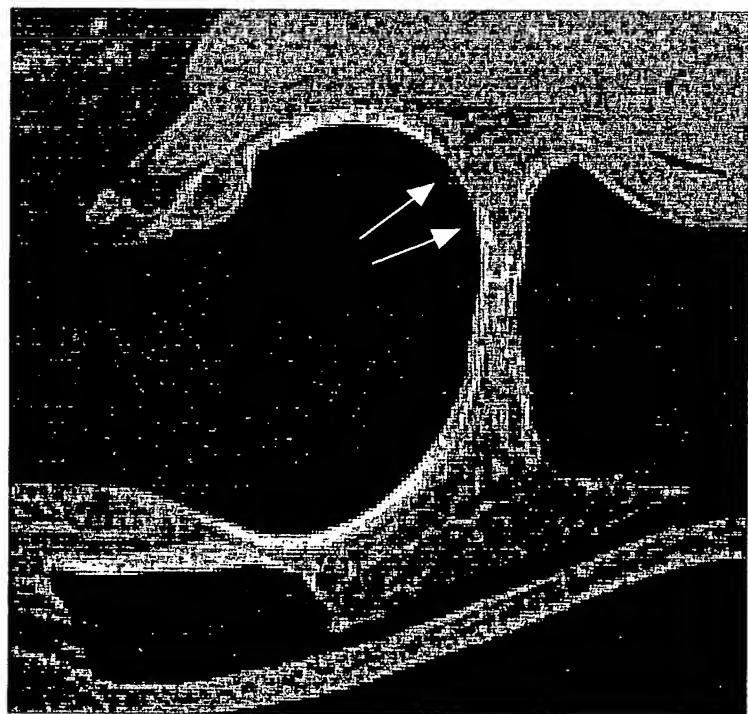


FIG._22A

+

20 / 20

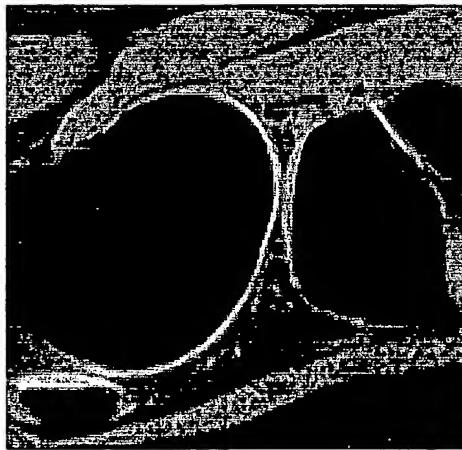


FIG._23A

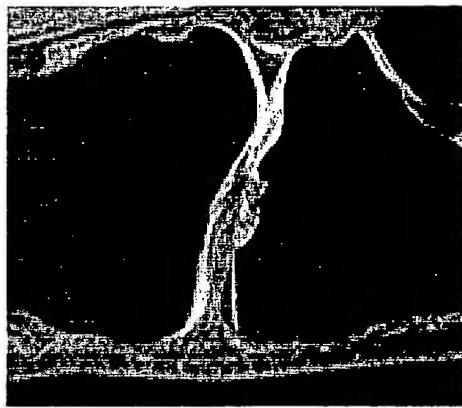


FIG._23B



FIG._23C

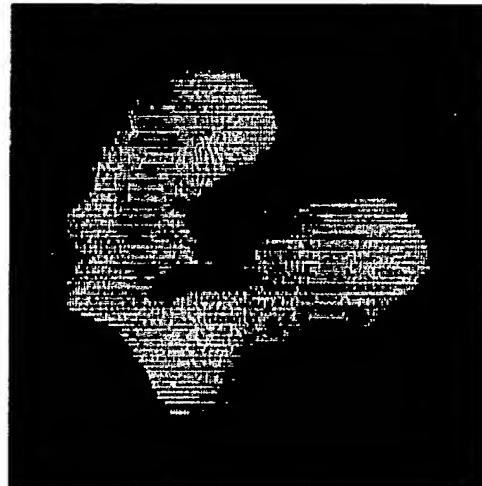


FIG._23D

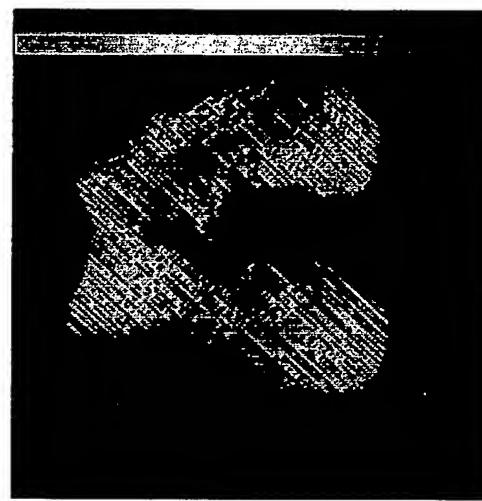


FIG._23E

+